APPENDIX

8. A sensor arrangement for providing an indication in one dimension of the location of a hidden magnet, said sensor comprising:

a set of a plurality of magnetic sensors arrayed in a straight line in an array direction to form an array of magnetic sensors, each of which magnetic sensors is capable of responding to the strength of a magnetic field by adopting a particular value of an electrical characteristic said set of magnetic sensors including one of (a) Hall-effect devices and (b) Giant Magneto-Resistive sensors;

an indicator arrangement including a plurality, no less in number than the number of said plurality of magnetic sensors, of electrically actuated indicators which are one of (a) light emitting diodes and (b) lasers, said plurality of electrically actuated indicators being arrayed in a direction parallel to said array direction to form an array of indicators, whereby said electrically actuated indicators provides an indication of the location along said array of magnetic sensors at which the magnetic field is greatest;

a source of electrical energy; and

control means coupled to said magnetic sensors and to said indicator arrangement, for providing an indication of the position at which said magnetic field is greatest.

9. A sensor arrangement according to claim 8, wherein said source of electrical energy includes a battery.

16. A sensor arrangement according to claim 8, wherein:

the number of said plurality of said magnetic sensors in said set of magnetic sensors exceeds two; and

said control means comprises an array of electrical conductors, said array of electrical conductors including individual ones of said electrical conductors which are associated only with an individual one of said magnetic sensors and with a corresponding associated one of said indicators, for allowing the flow of current through said one of said magnetic sensors and said associated one of said indicators, but not through others of said magnetic sensors and indicators.

17.(Amended) A sensor arrangement according to claim 8, wherein:

the number of said plurality of said magnetic sensors in said set of magnetic sensors is two; and

said control means comprises processing means coupled to said source of electrical energy, to said magnetic sensors, and to said indicator arrangement, for generating a signal indicative of the direction in which a backing bar should be moved.